

IN THE CLAIMS:

Please amend the claims as follows.

- 1 1. (currently amended) An information management system, comprising:
  - 2 a data repository storing related hydrocarbon-producing portfolio data tied to a
  - 3 key parameter field; and
  - 4 at least one application server providing a plurality of different applications to a
  - 5 plurality of users, the at least one application server operatively coupled to the data
  - 6 repository, at least one of the plurality of different applications generating at least some
  - 7 related hydrocarbon-producing portfolio data having the key parameter field, wherein the
  - 8 data repository can be updated with the related hydrocarbon-producing portfolio data
  - 9 generated by each of the plurality of different applications having the key parameter field,
  - 10 the at least one application server being operatively connected to the data repository to
  - 11 serve the related hydrocarbon-producing portfolio data from the data repository when
  - 12 ones of the plurality of different applications use and generate the related hydrocarbon-
  - 13 producing portfolio data having the key parameter field, the management system further
  - 14 updating data relating to a property in a near real time environment based on input from
  - 15 ~~allowing multiple users using different programs for different tasks to update each other~~
  - 16 ~~in a near real time environment.~~
- 17
- 1 2. (Previously Presented) The system as defined in claim 1, wherein the data repository
- 2 can store all hydrocarbon-producing portfolio data generated by each of the plurality of
- 3 different applications.

4

1 3. (Previously Presented) The system as defined in claim 1 wherein the data repository  
2 comprises a plurality of databases to store hydrocarbon-producing portfolio data from a  
3 respective one of the plurality of different applications.

4

1 4. (Previously Presented) The system as defined in claim 1, wherein the plurality of  
2 different applications comprises at least two selected from the group consisting of a  
3 geoscience application, a petroleum land management application, a drilling engineering  
4 application, a finance application, a reservoir engineering application, a sales and  
5 marketing application, and a field operations application.

6

1 5. (Original) The system as defined in claim 1, wherein the plurality of different  
2 applications comprises at least one selected from the group consisting of a database  
3 management application, a portfolio management application, and a portfolio forecast  
4 application.

5

1 6. (Previously Presented) The system as defined in claim 5, wherein the database  
2 management application comprises a front-end user interface operatively coupled to the  
3 data repository and generating at least some hydrocarbon-producing portfolio data having  
4 the key parameter field when ones of the plurality of users enter hydrocarbon-producing  
5 portfolio data into the front-end user interface.

6

1 7. (Original) The system as defined in claim 6, wherein the front-end user interface

2 comprises a plurality of different application modules each directed to specific ones of  
3 the plurality of users.

4

1 8. (Previously Presented) The system as defined in claim 5, wherein the portfolio  
2 management application comprises a resources optimization program to use the related  
3 hydrocarbon-producing portfolio data retrieved from the data repository to generate an  
4 optimized allocation of resources based on at least one selected criterion.

5

1 9. (Original) The system as defined in claim 8, wherein the selected criterion comprises at  
2 least one selected from the group consisting of developing most profitable assets first,  
3 achieving a selected net cash flow, achieving a selected earnings, achieving a selected  
4 level of production, satisfying obligations on time, and developing assets to achieve the  
5 greatest net cash flow in a selected amount of time for a selected amount of capital.

6

1 10. (Previously Presented) The system as defined in claim 8, wherein at least one  
2 application server automatically updates selected ones of the related hydrocarbon-  
3 producing portfolio data when the resource optimization program generates optimized  
4 allocation of resources data.

5

1 11. (Previously Presented) The system as defined in claim 5, wherein the portfolio  
2 forecast application forecasts future performance of assets based on the related  
3 hydrocarbon-producing portfolio data.

4

1 12. (Previously Presented) The system as defined in claim 1, further comprising a  
2 notification system to automatically notify at least one user when related hydrocarbon-  
3 producing portfolio data relevant to the at least one user has been updated in the data  
4 repository.

5  
1 13. (Original) The system as defined in claim 1, wherein the plurality of users comprise  
2 members of an asset development team having different functions related to the  
3 development and management of assets in the portfolio, each member responsible for  
4 providing particular related data corresponding thereto.

5  
1 14. (Original) The system as defined in claim 13, wherein the members of the asset  
2 development team comprise at least two selected from a geoscientist, a landman, a  
3 reservoir engineer, a regulatory compliance administrator, a drilling engineer, a finance  
4 analyst, a field operator, a sales and marketing representative, and a portfolio manager.

5  
1 15. (currently amended) A management system for a hydrocarbon-producing portfolio,  
2 comprising:  
3 at least one server providing a plurality of applications to respective users, at least  
4 one of the applications generating hydrocarbon-producing portfolio data corresponding to  
5 the respective user, at least some of the hydrocarbon-producing portfolio data generated  
6 by at least one of the applications having a key parameter field therein;  
7 a database management system operatively coupled to the at least one server and  
8 storing at least some of the hydrocarbon-producing portfolio data generated by at least

9 one of the plurality of applications and update any of the stored hydrocarbon-producing  
10 portfolio data having the key parameter field when ones of the plurality of applications  
11 modify any of the stored hydrocarbon-producing portfolio data having the key parameter  
12 field; the at least one server to serve the updated hydrocarbon-producing portfolio data to  
13 any other ones of the plurality of applications when the other ones of the plurality of  
14 applications retrieves the updated hydrocarbon-producing portfolio data having the key  
15 parameter field, the management system further updating data on a property in a near real  
16 time environment based on input from ~~allowing~~ multiple users using different programs  
17 for different tasks ~~to update each other in a near real time environment~~; and  
18 at least one business process model application to apply a business process model  
19 to selected ones of the stored hydrocarbon-producing portfolio data to generate modeled  
20 hydrocarbon-producing portfolio data having the key parameter field, the at least one  
21 business process model application to automatically update the modeled hydrocarbon-  
22 producing portfolio data when any ones of the selected ones of the stored hydrocarbon-  
23 producing portfolio data are updated by operation of any of the other applications.

24

1 16. (Original) The system according to claim 15, wherein the business process model  
2 comprises creating an optimized drilling schedule.

3

1 17. (Original) The system according to claim 15, wherein the business process model  
2 comprises forecasting hydrocarbon production for a selected drilling schedule.

3

1 18. (Original) The system according to claim 15, wherein the respective users comprises

2 at least two selected from geoscientists, landmen, reservoir engineers, regulatory  
3 compliance administrators, drilling engineers, finance analysts, field operators, sales and  
4 marketing representatives, and portfolio managers.

5  
1 19. (Original) The system according to claim 15, wherein the plurality of applications  
2 comprises a part of the database management system.

3  
1 20. (Original) The system according to claim 19, wherein the plurality of applications  
2 comprises application modules embedded in the database management system.

3  
1 21. (currently amended) A method for managing information, comprising:  
2 serving a plurality of applications to respective users, each of the plurality of  
3 applications generating hydrocarbon-producing portfolio data corresponding thereto, at  
4 least some of the hydrocarbon-producing portfolio data generated having a key parameter  
5 field therein;

6 storing the hydrocarbon-producing portfolio data generated by at least one of the  
7 applications;

8 updating any of the hydrocarbon-producing portfolio data having the key  
9 parameter field when ones of the plurality of applications is used to modify any of the  
10 stored hydrocarbon-producing portfolio data having the key parameter field;

11 updating data relating to a prospect in a near real time environment on the basis of  
12 input from ~~allowing~~ multiple users using different programs for different tasks ~~to update~~  
13 ~~each other in a near real time environment, and~~

14           serving the updated hydrocarbon-producing portfolio data to any other ones of the  
15 plurality applications when said other ones of the plurality of applications retrieves from  
16 storage the hydrocarbon-producing portfolio data having the key parameter field.

17

1   22. (Original) The method as defined in claim 21, wherein the plurality of applications  
2 comprises a plurality of separate applications each directed to at least one of the  
3 respective users.

4

1   23. (Original) The method as defined in claim 21, wherein the serving the plurality of  
2 applications comprises serving a parent application comprising a plurality of application  
3 modules, each of the application modules directed to at least one of the respective users.

4

1   24. (Original) The method as defined in claim 21, wherein the plurality of applications  
2 comprises at least one selected from a geoscience application, a petroleum land  
3 management application, a drilling engineering application, a finance application, and a  
4 reservoir engineering application, a production forecast application, and a portfolio  
5 optimization application.

6

1   25. (Previously Presented) The method as defined in claim 21, further comprising:

2           applying at least one business process model to selected ones of the stored  
3 hydrocarbon-producing portfolio data to generate modeled hydrocarbon-producing  
4 portfolio data; and

5           automatically updating the modeled hydrocarbon-producing portfolio data when

6 selected ones of the stored hydrocarbon-producing portfolio data are updated by  
7 operation of any one of the served applications.

8

1 26. (Original) The system according to claim 25, wherein applying the business process  
2 model comprises creating an optimized drilling schedule based on a selected criterion.

3

1 27. (Original) The system according to claim 25, wherein applying the business process  
2 model comprises forecasting hydrocarbon production for a selected drilling schedule.

3

1 28. (Previously Presented) A method for managing a hydrocarbon-producing portfolio,  
2 comprising:

3 having a plurality of asset team members each using an application related to the  
4 function of the respective asset team member to generate hydrocarbon-producing  
5 portfolio data relevant thereto; the asset team members comprising at least two selected  
6 from a geoscientist, a landman, a reservoir engineer, a regulatory compliance  
7 administrator, a right-of-way administrator, a drilling engineer, a completion engineer, a  
8 finance analyst, a field operator, a sales and marketing representative, and a portfolio  
9 manager; and

10 automatically updating corresponding hydrocarbon-producing portfolio data used  
11 by any other one of the applications based on the hydrocarbon-producing portfolio data  
12 generated by using at least one of the applications.

13

1 29. (Original) The method of claim 28, wherein the applications comprise at least two



2 selected from a seismic interpretation application, a production forecasting application, a  
3 petroleum land management application, a regulatory compliance application, a drilling  
4 engineering application, and a portfolio optimization application.

5

1 30. (Previously Presented) The method of claim 28, further comprising:

2 applying at least one business process model to select ones of the corresponding  
3 hydrocarbon-producing portfolio data to generate modeled hydrocarbon-producing  
4 portfolio data.

5

1 31. (Original) The method according to claim 30, wherein the applying at least one  
2 business process model comprises determining an optimized drilling schedule.

3

1 32. (Original) The method according to claim 31, wherein the optimized drilling schedule  
2 is determined based on at least one selected from product price forecasts and production  
3 predictions.

4

1 33. (Original) The method according to claim 32, wherein the optimized drilling schedule  
2 is determined based on a selected criterion comprising at least one selected from  
3 developing most profitable assets first, achieving a selected net cash flow, achieving a  
4 selected earnings, achieving a selected level of production, satisfying obligations on time,  
5 and developing assets to achieve the greatest net cash flow in a selected amount of time  
6 for a selected amount of capital.

7

1 34. (Original) The method according to claim 30, wherein the applying at least one  
2 business process model comprises forecasting hydrocarbon production.

3

1 35. (Previously Presented) The method according to claim 30, wherein the applying at  
2 least one business process model comprises automatically populating regulatory forms  
3 based on corresponding hydrocarbon-producing portfolio data.

4

1 36. (Original) The method according to claim 30, wherein the applying at least one  
2 business process model comprises determining drilling costs associated with at least one  
3 prospectively drilled well.

4

1 37. (Previously Presented) The method according to claim 28, wherein the hydrocarbon-  
2 producing portfolio comprises existing and prospective well locations, petroleum land  
3 management information related to the existing and an prospective well locations, and  
4 estimated hydrocarbon reserves in reservoirs penetrated by the existing and prospective  
5 wells.

6

1 38. (Previously Presented) The method according to claim 28, further comprising  
2 notifying at least one of the asset team members that corresponding hydrocarbon-  
3 producing portfolio data used by the one of the applications used by the at least one asset  
4 team member have been updated by operation of the other one of the applications used by  
5 at least one other asset team member.

6

1 39. (Previously Presented) The method according to claim 28, further comprising limiting  
2 any one of the asset team members from updating selected ones of the corresponding  
3 hydrocarbon-producing portfolio data outside of the function of the any one of the asset  
4 team members.

5

1 40. (Previously Presented) The method according to claim 28, further comprising  
2 restricting selected ones of the asset team members from updating selected corresponding  
3 hydrocarbon-producing portfolio data prior to other selected ones of the asset team  
4 members generating other selected corresponding hydrocarbon-producing portfolio data.

5

6